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Abstract

10 The present invention proposes communication devices (1, 6) and a method for transmitting and receiving random access bursts in a random access channel of a digital telecommunication system. Thereby, a random access burst comprising a preamble part for acquiring a part of said random access channel and at least one message part for transmitting data in said acquired part of the random access channel is generated, whereby the number of message parts depends on an amount of data to be transmitted in the message parts. In case that two or more message parts are generated, each preceding
15 message part comprises a continuation indicator indicating a succeeding message part. After transmission of such a random access burst, the continuation indicator is detected and a further part of the random access channel is reserved for the succeeding message part. Advantageously, the random access channel comprises a number of random access slots being divided into a first section containing contention based random access slots and a second section containing reservation based random access slots, whereby the
20 preamble part of a random access burst comprising two or more message parts is transmitted in said second section. The present invention has the advantage that a higher amount of random access data can be transmitted within one random access burst in a simple way without enhancing the contention-based access to the random access
25 channel.

(Figure 5)

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